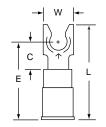
## **3M**

# **Specialty Terminals**

SS-31-4-P thru SS-33-14-P Locking Fork, Vinyl Insulated, Butted Seam



### **Data Sheet**

Product Number	Wire Range (AWG)	Stud Size	Max Lock Width	w	С	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
SS-31-4-P	22-18	4	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.070	0.145
SS-31-6-P	22-18	6	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.070	0.145
SS-31-8-P	22-18	8	0.34	0.30	0.25	0.88	0.70	0.030	0.25	0.070	0.145
SS-31-10-P	22-18	10	0.35	0.32	0.25	0.88	0.70	0.030	0.25	0.070	0.145
SS-32-4-P	16-14	4	0.27	0.25	0.25	0.89	0.70	0.030	0.25	0.090	0.170
SS-32-6-P	16-14	6	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.090	0.170
SS-32-8-P	16-14	8	0.34	0.30	0.25	0.88	0.70	0.030	0.25	0.090	0.170
SS-32-10-P	16-14	10	0.35	0.32	0.25	0.88	0.70	0.030	0.25	0.090	0.170
SS-32-14-P	16-14	1/4	0.48	0.43	0.40	1.10	0.85	0.030	0.25	0.090	0.170
SS-33-6-P	12-10	6	0.30	0.28	0.28	1.03	0.83	0.040	0.25	0.090	0.250
SS-33-8-P	12-10	8	0.35	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250
SS-33-10-P	12-10	10	0.36	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250
SS-33-14-P	12-10	1/4	0.48	0.43	0.44	1.24	0.99	0.040	0.25	0.135	0.250



LISTED 314R UNDERWRITERS LABORATORIES STANDARD NO. UL 486A 3M FILE NO. E23438



CANADIAN STANDARDS ASSOCIATION STANDARD NO. C22.2 NO. 0. 65 3M FILE NO. LR22190

#### **Specifications**

Wire Size: See Table Above
Barrel Seam: Butted
Max. Voltage Rating: 600 V Building Wire
1000 V Signs, Fixtures

max. Temperature Rating: and Luminaires 221°F (105°C)

Max. Current: Same as Wire Insulator Material: Vinyl Terminal Material: ETP Copper Plating: Tin

#### **Installation Information**

#### **AWARNING**

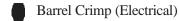
Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.

UL Listed and CSA Certified for use on stranded copper (AWG) wire only.

Strip away the end 3/8 inch of wire insulation.

Make the crimp in the proper station of a recommended 3M crimp tool: TH-440, TH-450 (scissor style) or TR-490 (ratchet style) hand tools.





#### **Engineering Specification**

Crimp-type terminals shall, electrically and mechanically, connect to a pre-stripped end of a stranded copper wire and have a flat tongue portion with a central opening for mounting around a screw or stud.

The terminal line shall offer tongue variations in hole (stud) size (6, 8 10, etc.) and configuration (ring, fork, block fork, flanged block fork, locking fork, etc.) and barrel variations in wire (AWG) size (22-18, 16-14, 12-10, etc.) and construction (non-insulated brazed seam, vinyl insulated butted seam, nylon insulated with insulation grip, etc.). The terminal line shall have regulatory agency coverage (UL Listing, CSA Certification). The terminal tongue shall be marked with the wire range and manufacturer's symbol (\\$\frac{\(\bar{\chi}\)}{\(\bar{\chi}\)}).

The vinyl-insulated, butted seam locking fork terminal shall be tin-plated, annealed copper, with the tongue having a specified stud slot (size 4 thru 1/4 in.) and a butted seam barrel covered by a molded vinyl funnel entry sleeve, color coded and sized, for a specified (AWG) wire range (22-18, 16-14, 12-10).

Insulated terminals shall be UL Listed and CSA Certified for 600 Volts maximum building wire: 1000 Volts maximum in signs, fixtures and luminaries and have a maximum operating temperature of 221°F (105°C).

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#### **IMPORTANT NOTICE**

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**Electrical Products Division**